

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 10186162
PUBLICATION DATE : 14-07-98

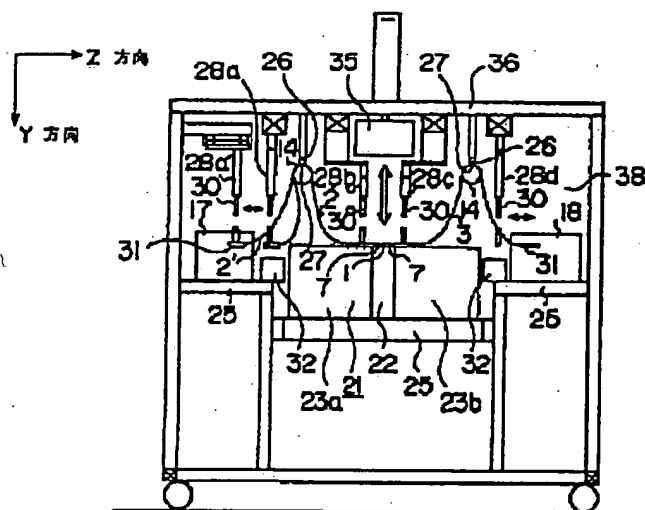
APPLICATION DATE : 26-12-96
APPLICATION NUMBER : 08357130

APPLICANT : FURUKAWA ELECTRIC CO LTD:THE;

INVENTOR : SAWAMURA TAKESHI;

INT.CL. : G02B 6/24 G02B 6/30

TITLE : CONTINUOUS CONNECTION DEVICE
BETWEEN OPTICAL COMPONENT
AND OPTICAL FIBER



ABSTRACT : PROBLEM TO BE SOLVED: To easily carry optical fibers and an optical component with optical fibers and to compact a device.

SOLUTION: An optical component 1 is set up on an aligning stage 21 and ferrules 7 fitted to the terminals of optical fibers 2, 3 carried to both the sides of the optical component 1 by carrying tools 28a to 28d are set up on moving stages 23a, 23b. Light is made incident from the terminal of the fiber 2, the intensity of received light is measured on the terminal of the fiber 3 and the stages 23a, 23b are moved so that the intensity of received light becomes a prescribed value to align the optical component 1 and the fibers 2, 3. In the aligning state, a connection tool 35 is moved down, a UV bonding agent is applied to a connection part, the bonding agent is irradiated with ultraviolet rays to cure it, so that the component 1 and the fibers 2, 3 are connected and fixed. The produced optical component with optical fibers is grasped by the carrying tools 28a to 28d and carried out to a product stock part. The carrying tools 28a to 28d and the connection tool 35 are installed in a state suspended from a ceiling 36.

COPYRIGHT: (C)1998,JPO